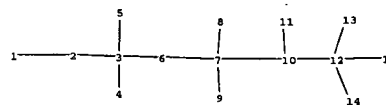
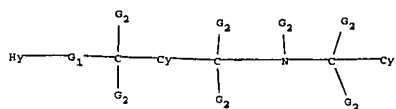


L Number	Hits	Search Text	DB	Time stamp
1	822	("546/113,118").CCLS.	USPAT; US-PGPUB; EPO; JPO	2001/12/29 12:07
2	773	("546/139,152").CCLS.	USPAT; US-PGPUB; EPO; JPO	2001/12/29 12:35
3	234	("548/304.2,304.7").CCLS.	USPAT; US-PGPUB; EPO; JPO	2001/12/29 12:42
4	548	("548/257,262.4,360.1").CCLS.	USPAT; US-PGPUB; EPO; JPO	2001/12/29 12:50
5	736	("548/452,465").CCLS.	USPAT; US-PGPUB; EPO; JPO	2001/12/29 13:01
6	928	("544/180,183,194").CCLS.	USPAT; US-PGPUB; EPO; JPO	2001/12/29 13:10
7	715	("544/235,236").CCLS.	USPAT; US-PGPUB; EPO; JPO	2001/12/29 13:20
8	941	("544/256,279,283").CCLS.	USPAT; US-PGPUB; EPO; JPO	2001/12/29 13:52
9	1027	("544/349,350,353").CCLS.	USPAT; US-PGPUB; EPO; JPO	2001/12/29 13:54



chain nodes :

1 2 3 4 5 6 7 8 9 10 11 12 13 14 15

chain bonds :

1-2 2-3 3-4 3-5 3-6 6-7 7-8 7-9 7-10 10-11 10-12 12-13 12-14 12-15

exact/norm bonds :

1-2 2-3 3-4 3-5 3-6 6-7 7-8 7-9 7-10 10-11 10-12 12-13 12-14 12-15

G1:C,N

G2:H,Cb,Ak

Match level :

1:Atom 2:CLASS 3:CLASS 4:CLASS 5:CLASS 6:Atom 7:CLASS 8:CLASS 9:CLASS 10:CLASS
11:CLASS 12:CLASS 13:CLASS 14:CLASS 15:Atom

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Trying 3106016892...Open

Welcome to STN International! Enter x:x

LOGINID:ssspta1611bxv

PASSWORD:

TERMINAL (ENTER 1, 2, 3, OR ?):2

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NEWS 31 Dec 19 1907-1946 data and page images added to CA and Caplus

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NEWS INTER General Internet Information
NEWS LOGIN Welcome Banner and News Items
NEWS PHONE Direct Dial and Telecommunication Network Access to STN
NEWS WWW CAS World Wide Web Site (general information)

Enter NEWS followed by the item number or name to see news on that

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FILE 'HOME' ENTERED AT 16:31:52 ON 28 DEC 2001

=> file reg

COST IN U.S. DOLLARS

SINCE FILE
ENTRY

TOTAL
SESSION

FULL ESTIMATED COST

0.15

0.15

FILE 'REGISTRY' ENTERED AT 16:32:04 ON 28 DEC 2001

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Please note that search-term pricing does apply when
conducting SmartSELECT searches.

Crossover limits have been increased. See HELP CROSSOVER for details.

Calculated physical property data is now available. See HELP PROPERTIES
for more information. See STNote 27, Searching Properties in the CAS
Registry File, for complete details:

<http://www.cas.org/ONLINE/STN/STNOTES/stnotes27.pdf>

=>Testing the current file.... screen

ENTER SCREEN EXPRESSION OR (END):end

=>

Uploading C:\STNEXP4\QUERIES\09535314.str

L1 STRUCTURE UPLOADED

=> que L1

L2 QUE L1

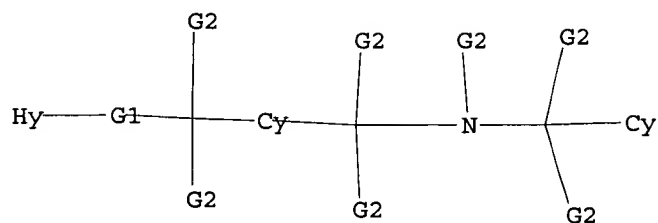
=> d l1

L1 HAS NO ANSWERS

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L1 STR



G1 C,N

G2 H,Cb,Ak

Structure attributes must be viewed using STN Express query preparation.

=> s l1 sss sam

SAMPLE SEARCH INITIATED 16:33:14 FILE 'REGISTRY'

SAMPLE SCREEN SEARCH COMPLETED - 292067 TO ITERATE

0.3% PROCESSED 1000 ITERATIONS

0 ANSWERS

INCOMPLETE SEARCH (SYSTEM LIMIT EXCEEDED)

SEARCH TIME: 00.00.01

FULL FILE PROJECTIONS: ONLINE **INCOMPLETE**

BATCH **INCOMPLETE**

PROJECTED ITERATIONS: EXCEEDS 1000000

PROJECTED ANSWERS: EXCEEDS 0

L3 0 SEA SSS SAM L1

=> log y

COST IN U.S. DOLLARS

SINCE FILE

TOTAL

ENTRY

SESSION

FULL ESTIMATED COST

0.62

0.77

STN INTERNATIONAL LOGOFF AT 16:33:24 ON 28 DEC 2001

Trying 3106016892...Open

Welcome to STN International! Enter x:x

LOGINID:ssspta1611bxv

PASSWORD:

TERMINAL (ENTER 1, 2, 3, OR ?):2

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NEWS 6 Apr 23 PRE-1967 REFERENCES NOW SEARCHABLE IN CAPLUS AND CA
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NEWS WWW CAS World Wide Web Site (general information)

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FILE 'HOME' ENTERED AT 16:36:19 ON 28 DEC 2001

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=> file reg

COST IN U.S. DOLLARS

SINCE FILE

TOTAL

ENTRY

SESSION

FULL ESTIMATED COST

0.15

0.15

FILE 'REGISTRY' ENTERED AT 16:36:25 ON 28 DEC 2001

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Crossover limits have been increased. See HELP CROSSOVER for details.

Calculated physical property data is now available. See HELP PROPERTIES
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<http://www.cas.org/ONLINE/STN/STNOTES/stnotes27.pdf>

=>Testing the current file.... screen

ENTER SCREEN EXPRESSION OR (END):end

=>

Uploading C:\STNEXP4\QUERIES\09535314.str

L1 STRUCTURE UPLOADED

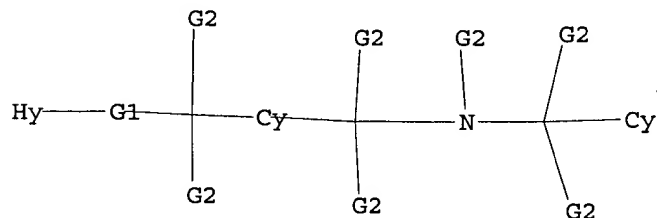
=> que L1

L2 QUE L1

=> d l1

L1 HAS NO ANSWERS

L1 STR



G1 C,N

G2 H,Cb,Ak

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Structure attributes must be viewed using STN Express query preparation.

=> s l1 sss sam

SAMPLE SEARCH INITIATED 16:36:54 FILE 'REGISTRY'

SAMPLE SCREEN SEARCH COMPLETED - 292067 TO ITERATE

0.3% PROCESSED 1000 ITERATIONS 0 ANSWERS
INCOMPLETE SEARCH (SYSTEM LIMIT EXCEEDED)
SEARCH TIME: 00.00.01

FULL FILE PROJECTIONS: ONLINE **INCOMPLETE**
BATCH **INCOMPLETE**

PROJECTED ITERATIONS: EXCEEDS 1000000

PROJECTED ANSWERS: EXCEEDS 0

L3 0 SEA SSS SAM L1

=> log y

COST IN U.S. DOLLARS

SINCE FILE	TOTAL
ENTRY	SESSION
0.31	0.46

FULL ESTIMATED COST

STN INTERNATIONAL LOGOFF AT 16:37:07 ON 28 DEC 2001

Trying 3106016892...Open

Welcome to STN International! Enter x:x

LOGINID:ssspta1611bxv

PASSWORD:

TERMINAL (ENTER 1, 2, 3, OR ?):2

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NEWS WWW CAS World Wide Web Site (general information)

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FILE 'HOME' ENTERED AT 16:40:01 ON 28 DEC 2001

=> file reg

COST IN U.S. DOLLARS

SINCE FILE

TOTAL

ENTRY

SESSION

FULL ESTIMATED COST

0.15

0.15

FILE 'REGISTRY' ENTERED AT 16:40:17 ON 28 DEC 2001

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Crossover limits have been increased. See HELP CROSSOVER for details.

Calculated physical property data is now available. See HELP PROPERTIES for more information. See STNote 27, Searching Properties in the CAS Registry File, for complete details:
<http://www.cas.org/ONLINE/STN/STNOTES/stnotes27.pdf>

=>Testing the current file.... screen

ENTER SCREEN EXPRESSION OR (END):end

=>

Uploading C:\STNEXP4\QUERIES\09535314.str

L1 STRUCTURE UPLOADED

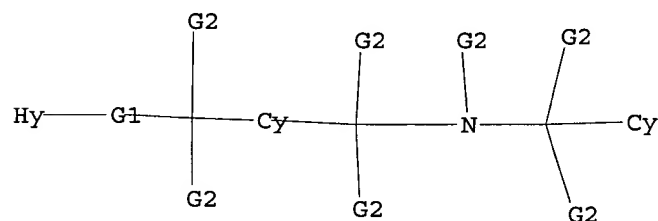
=> que L1

L2 QUE L1

=> d l1

L1 HAS NO ANSWERS

L1 STR



G1 C,N

G2 H,Cb,Ak

Structure attributes must be viewed using STN Express query preparation.

=> s l1 sss sam

SAMPLE SEARCH INITIATED 16:40:58 FILE 'REGISTRY'

SAMPLE SCREEN SEARCH COMPLETED - 292067 TO ITERATE

0.3% PROCESSED 1000 ITERATIONS

0 ANSWERS

INCOMPLETE SEARCH (SYSTEM LIMIT EXCEEDED)

SEARCH TIME: 00.00.01

FULL FILE PROJECTIONS: ONLINE **INCOMPLETE**
BATCH **INCOMPLETE**

PROJECTED ITERATIONS: EXCEEDS 1000000

PROJECTED ANSWERS: EXCEEDS 0

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L3 0 SEA SSS SAM L1

=> log y

COST IN U.S. DOLLARS

SINCE FILE

TOTAL

ENTRY

SESSION

FULL ESTIMATED COST

0.31

0.46

STN INTERNATIONAL LOGOFF AT 16:41:07 ON 28 DEC 2001

Trying 3106016892...Open

Welcome to STN International! Enter x:x

LOGINID:ssspta1611bxv

PASSWORD:

TERMINAL (ENTER 1, 2, 3, OR ?):2

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Enter NEWS followed by the item number or name to see news on that specific topic.

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FILE 'HOME' ENTERED AT 16:46:22 ON 28 DEC 2001

=> file reg

COST IN U.S. DOLLARS

SINCE FILE
ENTRY
0.15

TOTAL
SESSION
0.15

FULL ESTIMATED COST

FILE 'REGISTRY' ENTERED AT 16:46:33 ON 28 DEC 2001

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Crossover limits have been increased. See HELP CROSSOVER for details.

Calculated physical property data is now available. See HELP PROPERTIES for more information. See STNote 27, Searching Properties in the CAS Registry File, for complete details:

<http://www.cas.org/ONLINE/STN/STNOTES/stnotes27.pdf>

=>Testing the current file.... screen

ENTER SCREEN EXPRESSION OR (END):end

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=>
Uploading C:\STNEXP4\QUERIES\09535314.str

L1 STRUCTURE UPLOADED

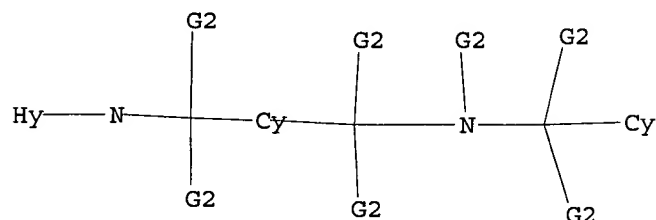
=> que L1

L2 QUE L1

=> d l1

L1 HAS NO ANSWERS

L1 STR



G1 C,N

G2 H,Cb,Ak

Structure attributes must be viewed using STN Express query preparation.

=> s l1 sss sam

SAMPLE SEARCH INITIATED 16:47:01 FILE 'REGISTRY'

SAMPLE SCREEN SEARCH COMPLETED - 231396 TO ITERATE

0.4% PROCESSED 1000 ITERATIONS
INCOMPLETE SEARCH (SYSTEM LIMIT EXCEEDED)
SEARCH TIME: 00.00.01

0 ANSWERS

FULL FILE PROJECTIONS: ONLINE **INCOMPLETE**
BATCH **INCOMPLETE**

PROJECTED ITERATIONS: EXCEEDS 1000000

PROJECTED ANSWERS: EXCEEDS 0

L3 0 SEA SSS SAM L1

=> log y

COST IN U.S. DOLLARS

SINCE FILE

TOTAL

ENTRY

SESSION

FULL ESTIMATED COST

0.31

0.46

STN INTERNATIONAL LOGOFF AT 16:47:14 ON 28 DEC 2001

Trying 3106016892...Open

Welcome to STN International! Enter x:x

LOGINID:ssspta1611bxv

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V. Balasubramanian

PASSWORD:

TERMINAL (ENTER 1, 2, 3, OR ?):2

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NEWS	29	Dec 17	New fields for DPCI
NEWS	30	Dec 19	CAS Roles modified
NEWS	31	Dec 19	1907-1946 data and page images added to CA and Caplus
NEWS EXPRESS			August 15 CURRENT WINDOWS VERSION IS V6.0c, CURRENT MACINTOSH VERSION IS V6.0 (ENG) AND V6.0J (JP), AND CURRENT DISCOVER FILE IS DATED 07 AUGUST 2001
NEWS HOURS			STN Operating Hours Plus Help Desk Availability
NEWS INTER			General Internet Information
NEWS LOGIN			Welcome Banner and News Items
NEWS PHONE			Direct Dial and Telecommunication Network Access to STN
NEWS WWW			CAS World Wide Web Site (general information)

Enter NEWS followed by the item number or name to see news on that specific topic.

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* * * * * STN Columbus * * * * *

FILE 'HOME' ENTERED AT 16:57:21 ON 28 DEC 2001

=> file reg

COST IN U.S. DOLLARS

SINCE FILE

TOTAL

ENTRY

SESSION

FULL ESTIMATED COST

0.15

0.15

FILE 'REGISTRY' ENTERED AT 16:57:30 ON 28 DEC 2001

USE IS SUBJECT TO THE TERMS OF YOUR STN CUSTOMER AGREEMENT.

PLEASE SEE "HELP USAGETERMS" FOR DETAILS.

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STRUCTURE FILE UPDATES: 27 DEC 2001 HIGHEST RN 379214-74-1

DICTIONARY FILE UPDATES: 27 DEC 2001 HIGHEST RN 379214-74-1

TSCA INFORMATION NOW CURRENT THROUGH July 7, 2001

Please note that search-term pricing does apply when conducting SmartSELECT searches.

Crossover limits have been increased. See HELP CROSSOVER for details.

Calculated physical property data is now available. See HELP PROPERTIES for more information. See STNote 27, Searching Properties in the CAS Registry File, for complete details:....Testing the current file....\$ screen

<http://www.cas.org/ONLINE/STN/STNOTES/stnotes27.pdf>
end

=>

Uploading C:\STNEXP4\QUERIES\535314.str

L1 STRUCTURE UPLOADED

=> que L1

L2 QUE L1

=> d l1

L1 HAS NO ANSWERS

L1 STR

09/535,314

G2 H, Cb, Ak

```
=> s ll sss sam
SAMPLE SEARCH INITIATED 16:57:56 FILE 'REGISTRY'
SAMPLE SCREEN SEARCH COMPLETED - 87000 TO ITERATE
```

```

FULL FILE PROJECTIONS:  ONLINE  **INCOMPLETE**
                        BATCH    **INCOMPLETE**
PROJECTED ITERATIONS:   EXCEEDS 1000000
PROJECTED ANSWERS:      EXCEEDS      0

```

=> log y		
COST IN U.S. DOLLARS	SINCE FILE	TOTAL
	ENTRY	SESSION
FULL ESTIMATED COST	0.31	0.46

Trying 3106016892...Open

```
Welcome to STN International!  Enter x:x
LOGINID:ssspta1611bxv
PASSWORD:
TERMINAL (ENTER 1, 2, 3, OR ?):2
```

* * * * * Welcome to STN International * * * * *

NEWS	1		Web Page URLs for STN Seminar Schedule - N. America
NEWS	2	Dec 17	The CA Lexicon available in the CAPLUS and CA files
NEWS	3	Feb 06	Engineering Information Encompass files have new names
NEWS	4	Feb 16	TOXLINE no longer being updated
NEWS	5	Apr 23	Search Derwent WPINDEX by chemical structure

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NEWS 6 Apr 23 PRE-1967 REFERENCES NOW SEARCHABLE IN CAPLUS AND CA
NEWS 7 May 07 DGENE Reload
NEWS 8 Jun 20 Published patent applications (A1) are now in USPATFULL
NEWS 9 JUL 13 New SDI alert frequency now available in Derwent's
DWPI and DPCI
NEWS 10 Aug 23 In-process records and more frequent updates now in
MEDLINE
NEWS 11 Aug 23 PAGE IMAGES FOR 1947-1966 RECORDS IN CAPLUS AND CA
NEWS 12 Aug 23 Adis Newsletters (ADISNEWS) now available on STN
NEWS 13 Sep 17 IMSworld Pharmaceutical Company Directory name change
to PHARMASEARCH
NEWS 14 Oct 09 Korean abstracts now included in Derwent World Patents
Index
NEWS 15 Oct 09 Number of Derwent World Patents Index updates increased
NEWS 16 Oct 15 Calculated properties now in the REGISTRY/ZREGISTRY File
NEWS 17 Oct 22 Over 1 million reactions added to CASREACT
NEWS 18 Oct 22 DGENE GETSIM has been improved
NEWS 19 Oct 29 AAASD no longer available
NEWS 20 Nov 19 New Search Capabilities USPATFULL and USPAT2
NEWS 21 Nov 19 TOXCENTER(SM) - new toxicology file now available on STN
NEWS 22 Nov 29 COPPERLIT now available on STN
NEWS 23 Nov 29 DWPI revisions to NTIS and US Provisional Numbers
NEWS 24 Nov 30 Files VETU and VETB to have open access
NEWS 25 Dec 10 WPINDEX/WPIDS/WPIX New and Revised Manual Codes for 2002
NEWS 26 Dec 10 DGENE BLAST Homology Search
NEWS 27 Dec 17 WELDASEARCH now available on STN
NEWS 28 Dec 17 STANDARDS now available on STN
NEWS 29 Dec 17 New fields for DPCI
NEWS 30 Dec 19 CAS Roles modified
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FILE 'HOME' ENTERED AT 17:01:00 ON 28 DEC 2001

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=> file reg

COST IN U.S. DOLLARS

SINCE FILE
ENTRY

TOTAL
SESSION

FULL ESTIMATED COST

0.15

0.15

FILE 'REGISTRY' ENTERED AT 17:01:09 ON 28 DEC 2001
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DICTIONARY FILE UPDATES: 27 DEC 2001 HIGHEST RN 379214-74-1

TSCA INFORMATION NOW CURRENT THROUGH July 7, 2001

Please note that search-term pricing does apply when
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Calculated physical property data is now available. See HELP PROPERTIES
for more information. See STNote 27, Searching Properties in the CAS
Registry File, for complete details:
<http://www.cas.org/ONLINE/STN/STNOTES/stnotes27.pdf>

=>Testing the current file.... screen

ENTER SCREEN EXPRESSION OR (END):end

=>

Uploading C:\STNEXP4\QUERIES\535314-2.str

L1 STRUCTURE UPLOADED

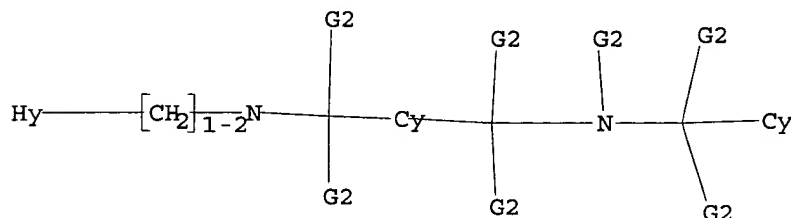
=> que L1

L2 QUE L1

=> d l1

L1 HAS NO ANSWERS

L1 STR



G1 C, N

G2 H, Cl, Ak

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Structure attributes must be viewed using STN Express query preparation.

=> s l1 sss sam

SAMPLE SEARCH INITIATED 17:01:42 FILE 'REGISTRY'

SAMPLE SCREEN SEARCH COMPLETED - 114779 TO ITERATE

0.9% PROCESSED 1000 ITERATIONS

0 ANSWERS

INCOMPLETE SEARCH (SYSTEM LIMIT EXCEEDED)

SEARCH TIME: 00.00.01

FULL FILE PROJECTIONS: ONLINE **INCOMPLETE**

BATCH **INCOMPLETE**

PROJECTED ITERATIONS: EXCEEDS 1000000

PROJECTED ANSWERS: EXCEEDS 0

L3 0 SEA SSS SAM L1

=> log y

COST IN U.S. DOLLARS

SINCE FILE

TOTAL

ENTRY

SESSION

FULL ESTIMATED COST

0.31

0.46

STN INTERNATIONAL LOGOFF AT 17:01:49 ON 28 DEC 2001